Mountable Head-Camera for Children: Exploration of Bilingual Experience and Attentional Learning from First Person View

Dr. Poorna Kushalnagar

Research consensus holds that early deafness affects low-level sensorimotor processing such as selective attention, whereas bilingualism is thought to be strongly associated with higher order cognitive processing such as attention switching under cognitive load. This talk provides an overview on the effects of bilingual experience on higher order attention, and how this may be partly driven by early dynamic visual experience in the context of auditory deprivation. Head camera methodology is used to provide first person view of what constitutes normal looking behavior among typically developing deaf children from bilingual household. Their looking behaviors from first person view are compared to typically developing hearing children. Differences in these children's first person views are discussed in the context of how attentional learning is shaped by very different dynamic visual experiences.

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